BRUHATH BANGALORE MAHANAGARA PALIKE
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

LAKES DIVISION
ಕೆರೆಗಳು ವಿಭಾಗ

NAME OF WORK:
ಕಾಮಗಾರಿಯ ಹೆಸರು

PROVIDING PATHWAY CHILDREN PLAY EQUIPMENTS AND OTHER DEVELOPMENT WORKS IN PARK AT DODDABOMMASANDRA LAKE IN WARD 10

Estimate Cost Rs.250.60 Lakhs
ಕಾಮಗಾರಿಯ ಅಂದಾಜುಮೊತ್ತ ರೂ 250.00 ಲಕ್ಷಗಳು

EXECUTIVE ENGINEER LAKES DIVISION
ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್, ಕೆರೆಗಳು ವಿಭಾಗ

BUDJET HEAD:- 2019-20 BBMP BUDGET

45

NAME OF THE WORK : PROVIDING PATHWAY CHILDREN PLAY EQUIPMENTS AND OTHER DEVELOPMENT WORKS IN PARK AT DODDABOMMASANDRA LAKE IN WARD 10

COST SUMMARY

Est. No.	DESCRIPTION OF THE ESTIMATE	Estimate cost (₹)
1	CONSTRUCTION OF YOGA PLATFORM 1 Number	4111799.65
2 & 3	CONSTRUCTION OF GAZEBO Small 3 Nos, Big 1 No	3286457.10
4	PROVIDING OPEN GYM EQUIPMENTS 2 Nos	7746191.47
5	PROVIDING CHILDRENS PLAY EQUIPMENTS 2 Nos	3783277.15
6	WATER SUPPLY PIPE LINE FOR TOILETS AT KOGILU,KATTIGENAHALLI,AGRAHARA LAKE	1507570.16
7	FIXING GRANITE BENCHEs BESIDE PATHWAY 42 Nos	949181.10
8	PROVIDING ROCK FILL BUND	452124.22
	Total-Cost (₹)	**21836600.86**
9	ADD 12% GST FOR CONTRACTOR FOR ITEMS INCLUDED FROM PWD BCSR 2018-19, and 18 % GST for gym and child play equipment	**2907462.34**
10	PMC SERVICE CHARGES AT 1% of Total Cost	250000.00
11	MISCELLANEOUS & ROUNDING OFF	5936.80
12	**Grand Total (₹)**	**25000000.00**
	****** Rupees Two Crores and Fifty Lakhs Only ******	

10/1/20
Environmental Engineer
Lakes ,BBMP

10/1/2020
Assistant Executive Engineer
Lakes ,BBMP

Executive Engineer
Lakes, BBMP

Chief Engineer
Lakes, BBMP

Administrative sanction for Rs. 2,50,00,000/-
Rs. Two crores and fifty lakhs only/-
P-3739
is accorded
AS/36/19-20
Regis
Sub
contained is enclosed
MCC LAKES DIVISION 36/19-20 Date 14/01/20
14/1/20
JE / AE
EE/EE/CE 14/1/2020

Technically sanc 2,50,00,000/-
Rs. Two crores and fifty lakhs only/-
P-3739
Under
Rec
TS-47/19-20
47/19-20
14/01/20
14/1/20
AE
14/1/2020

NAME OF THE WORK : PROVIDING PATHWAY CHILDREN PLAY EQUIPMENTS AND OTHER DEVELOPMENT WORKS IN PARK AT DODDABOMMASANDRA LAKE IN WARD 10

Est-1 CONSTRUCTION OF YOGA PLATFORM Beside Idol Immersion Tank at Doddabommasandra Lake

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1.1	**Earth work excavation for foundation of structures by mechanical means** as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising / transporting the remaining earth locally upto 1.00km lead. (Depth upto 3.00 Mts) - in Ordinary/Hard soil. (PWD BCSR 2018-19,P-7,I-2.23)								
	footing	10	1.3	1.3	1.5	25.35			
		1	60.0	0.70	0.75	31.50			
						56.85	Cum	55.12	3,134
1.2	**Providing and Filling in foundation with granite/trap broken metal 100 mm** and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications (PWD BCSR 2018-19,P-6,I-2.15)								
	FOOTING	10	1.3	1.3	0.3	5.07			
						5.07	Cum	2574.74	13,054
1.3	Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2(PWD KCSR 2018-19, P-12 I-4.1)								
	SSM SIDE WALL FOUNDATION	1	60.0	0.6	0.15	5.40			
	FOOTING	11	1.3	1.3	0.15	2.79			
	PLINTH BEAM AI	1	60	0.3	0.15	2.70			
	BEFORE FLOORING	1	20.00	10.0	0.15	30.00			
						40.89	Cum	5599.98	2,28,975
1.4	**Providing and constructing granite / trap / basalt size stone masonry in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD BCSR 2018-19,P-23,I-5.6)								
		1	60.00	0.60	0.40	14.40			
						14.40	Cum	4871.76	70,153
1.5	**Providing and constructing granite / trap / basalt size stone masonry in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD BCSR 2018-19,P-23,I-5.9)								
		1	60.00	0.45	0.40	10.80			
						10.80	Cum	5811.98	62,769

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1.6	**Providing and laying in position plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2(PWD BCSR 208-19, P-12 I-4.6)								
		1	60.00	0.40	0.10	2.40			
		1	20.00	10.00	0.15	30.00			
						32.40	Cum	5747.32	1,86,213
1.7	**Providing and laying in position reinforced cement concrete of Design mix M25** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (PWD BCSR 2018-19,P-13,I-4.10)								
	FOOTING-1	10	1.20	1.20	0.40	5.76			
	PEDASTAL-1	10	0.60	0.60	1.35	4.86			
	PLINTH BEAM AI	1	60.00	0.30	0.45	8.10			
						18.72	cum	6,160.72	1,15,329
1.8	**Providing T.M.T. steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, lying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and Paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS for TMT Bars Fe 550 (P W D BCSR, 2018-19 P-17, I-4.46.3)								
	Qty of steel taken @ 85 kg/cum =					**1.591**	tonne	75,809.08	1,20,627
1.9	**Providing and removing centering, shuttering, strutting, propping etc.,** and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(PWD BCSR 2018-19,P-15,I-4.31)								
	FOOTING-1	20	1.20		0.40	9.60			
	PEDASTAL-1	20	0.60		1.35	16.20			
		20	0.60		1.35	16.20			
						42.00	sqm	379.48	15,938
1.10	**Providing and laying plat form using prepolished, water cut / gang saw 40mm thick telephonic Black Granite.** laid on existing vertical -supports and fixing in CM 1:3 proportion. Including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing. (P W D SR 2018-19, P-108 I-14.52)								
	PLATFORM	1	20	10		200.00	sqm	3736.50	7,47,300

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1.11	**Fabrication supplying and erecting M.S. tubular trusses** of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification (P W D SR 2018-19, P-40 I-7.29)								
	A. WALKWAY TRUSS	**NO.**	**L**	**B**	**D**	**W**	**QNTY**		
	20mm Dia Anchor Bolt with Nuts	10.00	10.00	0.80		2.47 Kg/Mt	197.600		
	Tubular Truss								
	CIRCULAR HOLLOW SECTION 323.9 x 10 MM - VERTICLE	14	5.00			77.4 Kg/ Mtr	5418.000		
	CIRCULAR HOLLOW SECTION 168.3 x 8 MM - HORIZONTAL	4	21.50			31.6 Kg/ Mtr	2717.600		
	CIRCULAR HOLLOW SECTION 88.9 x 5 MM - SLANT PIPE	4	17.50			10.3 Kg/ Mtr	721.000		
	CIRCULAR HOLLOW SECTION 88.9 x 5 MM- BRACING-VERTICLE	4	5.85			10.3 Kg/ Mtr	241.020		
	PURLINE CIRCULAR HOLLOW SECTION 60 x 40 x 6 MM	4	16.50			8.5 Kg/ Mtr	561.000		
	Fitting neccesars						280.000		
							10136.220		
						10136.220	kg	117.66	11,92,628
1.12	Providing and fixing 6mm clear **/ opal white / solar / bronze / blue /** green tinted multi wall poly carbonate sheet for tubular structure. The work including cost of all materials, labour charges and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lifts, transportation, loading and unloading and all other incidental charges etc. complete as per specification and directions of the engineer in charge of the work (P W D SZSR 2018-19, P-50 I-8.27)								
		1	22.00	12.00		264.00	sqm	3313.56	8,74,780

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1.13	**Providing and constructing burnt brick masonry** with approved quality of modular bricks of standard size of class designation 75 **(Machine moulded Wirecut bricks)** with cement mortar 1 :6 for basement and superstructure with cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 complete (P W D SZSR 2018-19, P-27 I-6.20)								
	Allround parapet wall	1	60.00	0.23	1.00	13.80	sqm	10725.08	1,48,006
1.14	**Providing ruled pointing to coursed stone masonry** with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P W D BCSR 2018-191, P-113 I-15.4)								
	SSM SIDE WALL	1	60.00		0.45	27.00			
	Parapet all	1	60.00		1.00	60.00			
						87.00	sqm	148.40	12,911
1.15	KSRB 15-16.2 : Providing and finishing **external walls in one coat with waterproof cement paint of approved brand** and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (P W D BCSR 2018-19, P-118 I-15.54.1)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No, 118,It No 15.54.1							
	BASIC RATE (₹)	51							
	AREA WEIGHTAGE 6% (₹)	3.06							
	TOTAL RATE (₹)	54.06							
	Parapet wall	1	60.00		1.00	60.00		54.06	3,244
1.16	**Providing and fixing 304 - grade stainless steel hand rails of 14-gauge pipes for Ramps staircase made out of stainless steel hallow pipes, using 50mm dia for** verticals @1.60 mtr c/c fixed tot he ramps or steps by drilling with bolts and 100mm dia MS base plates 10mm gauge for fixing of Vertical pipes 4 - Nos anchor bolts & 40mm dia pipes fixed horizontally for 2-rows top, one pipes fixed with vertical pipes another one fixed with elbows and 25mm dia pipes are fixed horizontally for 2-rows below top measure @ equal intervals including cutting, welding, bending wherever necessary with suitable caps @ tops, bottoms & corners finishing with mat / shining etc., complete including cost and conveyance of all materials, labour for all items of work, HOM with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work. **Ramps or Staircase for physically challenged.**								
	SR REFERENCE	PWD SR 2018-19,Pg No,43,It No 7.39							
	BASIC RATE (₹)	5378							
	AREA WEIGHTAGE 6% (₹)	322.68							
	TOTAL RATE (₹)	5700.68							
	Allround Yoga platform	2	3.5		1.1	7.7			
						7.7	Sqm	5700.68	43,895

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1.17	**Providing and fixing mosquito mesh to mesh to windows with 7.5 mm to 1.25 mm thick** Honne wood petties including labour charges etc., complete.								
	SR REFERENCE	PWD SR 2018-19,Pg No,64,It No 9.99							
	BASIC RATE (₹	715							
	AREA WEIGHTAGE 6% (₹)	42.9							
	TOTAL RATE (₹)	757.9							
	Allround Yoga plat form	1	60	6		360	Sqm	757.90	2,72,844
	Total Amount Excluding GST								41,11,800
	ADD 12% GST								4,93,416
	Total Amount Including GST								46,05,216

10/1/20
Environmental Engineer
Lakes BBMP

10/1/2020
Assistant Executive Engineer
Lakes BBMP

Executive Engineer
Lakes BBMP

NAME OF THE WORK : PROVIDING PATHWAY CHILDREN PLAY EQUIPMENTS AND OTHER DEVELOPMENT WORKS IN PARK AT DODDABOMMASANDRA LAKE IN WARD 10

Est-2	*Construction of Gazebo Small*								
Sl No.	*SPECIFICATIONS*	*No*	*L*	*B*	*D*	*QUANTITY*	*UNIT*	*RATE (Rs.)*	*AMOUNT (Rs.)*
2.1	**Earth work excavation for foundation of structures by mechanical means** as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising / transporting the remaining earth locally upto 1.00km lead. (Depth upto 3.00 Mts) - in Ordinary/Hard soil. (PWD BCSR 2018-19,P-7,I-2.23)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,7,It No 2.23							
	BASIC RATE (₹)	52							
	AREA WEIGHTAGE 6% (₹)	3.12							
	TOTAL RATE (₹)	55.12							
	Gazebo-1	6	3.35	1.0	1.2	24.12			
	steps	1	1	1.50	1.00	1.5			
						25.62	Cum	55.12	1,412
2.2	**Providing and Filling in foundation with granite/trap broken metal 100** mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications (PWD BCSR 2018-19,P-6,I-2.15)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,6,It No 2.15							
	BASIC RATE (₹)	2429							
	AREA WEIGHTAGE 6% (₹)	145.74							
	TOTAL RATE (₹)	2574.74							
	Gazebo-1	6	3.35	1.0	0.3	6.03			
						6.03	Cum	2574.74	15,526
2.3	**Providing and laying in position plain cement concrete of mix 1:2:4** with OPC cement @ 240kgs, **with 40mm and down size** graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2(PWD KCSR 2018-19, P-12 I-4.1)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,12,It No 4.1							
	BASIC RATE (₹)	5283							
	AREA WEIGHTAGE 6% (₹)	316.98							
	TOTAL RATE (₹)	5599.98							
	Gazebo-1								
	foundation	6	3.35	1.0	0.15	3.02			
	flooring	3	3.30	2.60	0.15	3.86			
	steps	1	1.50	1.00	0.15	0.23			
						7.10	Cum	5599.98	39,765

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
2.4	**Providing and constructing granite / trap / basalt size stone masonry in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD BCSR 2018-19,P-23,I-5.6)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,25,It No 5.6							
	BASIC RATE (₹)	4596							
	AREA WEIGHTAGE 6% (₹)	275.76							
	TOTAL RATE (₹)	4871.76							
	Gazbo-1								
		6	3.30	0.75	0.40	5.94			
		6	3.30	0.60	0.40	4.75			
						10.69	Cum	4871.76	52,089
2.5	**Providing and constructing granite / trap / basalt size stone masonry in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD BCSR 2018-19,P-23,I-5.9)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,25,It No 5.9							
	BASIC RATE (₹)	5483							
	AREA WEIGHTAGE 6% (₹)	328.98							
	TOTAL RATE (₹)	5811.98							
	Gazbo-1								
		6	3.30	0.50	0.40	3.96			
						3.96	Cum	5811.98	23,015
2.6	**Providing and laying in position plain cement concrete of mix 1:2:4** with cement @ 240kgs, **with 20mm and down size** graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2(PWD BCSR 208-19, P-12 I-4.6)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,13,It No 4.6							
	BASIC RATE (₹)	5422.00							
	AREA WEIGHTAGE 6% (₹)	325.32							
	TOTAL RATE (₹)	5747.32							
	Gazbo-1								
	DPC	6	3.30	0.50	0.10	0.99			
	steps	1	1.50	1.00	0.10	0.15			
						1.14	Cum	5747.32	6,552

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
2.7	KSRB 2-3:**Filling available excavated earth** (excluding rock) in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I-2.10)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,6,It No 2.10							
	BASIC RATE (₹)	201							
	AREA WEIGHTAGE 6% (₹)	12.06							
	TOTAL RATE (₹)	213.06							
	Gazbo-1								
		6	3.30	0.15	0.50	1.49			
		3	3.30	2.60	0.50	12.87			
						14.36	Cum	213.06	3,058
2.8	**Providing and constructing burnt brick masonry with approved quality of modular bricks** of standard size of class designation 75 (Machine moulded Wirecut bricks) with cement mortar 1 :6 for basement and superstructure with cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 complete (P W D SZSR 2018-19, P-27 I-6.20)								
	SR REFERENCE	PWD SZSR 2018-19,Pg No, 27,It No 6.20							
	BASIC RATE (₹)	10118							
	AREA WEIGHTAGE 6% (₹)	607.08							
	TOTAL RATE (₹)	10725.08							
	Gazbo-1								
	side wall	6	3.30	0.23	0.50	2.28			
	seating support wall	15	0.45	0.23	0.50	0.78			
	steps	1	1.50	1.00	0.15	0.23			
						3.28	Cum	10725.08	35,159
2.9	**Providing ruled pointing to coursed stone masonry** with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P W D BCSR 2018-191, P-113 I-15.4)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No, 113,It No 15.4							
	BASIC RATE (₹)	140							
	AREA WEIGHTAGE 6% (₹)	8.4							
	TOTAL RATE (₹)	148.4							
	Gazbo-1								
	basement	6	3.6		0.45	9.72			
	brick side wall	12	3.30		0.50	19.80			
	seating support wall	30	0.45		0.50	6.75			
						36.27	sqm	148.40	5,382

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
2.10	KSRB 15-16.2 : **Providing and finishing external walls in one coat with waterproof cement paint of approved brand** and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (P W D BCSR 2018-19, P-118 I-15.54.1)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No, 118,It No 15.54.1							
	BASIC RATE (₹)	51							
	AREA WEIGHTAGE 6% (₹)	3.06							
	TOTAL RATE (₹)	54.06							
	Gazebo-1								
	side wall	12	3.30		0.50	19.80			
	seating support wall	30	0.45		0.50	6.75			
	brick colour will be use					26.55	sqm	54.06	1,435
2.11	**Providing and laying plat form using prepolished, water cut / gang saw 40mm thick telephonic Black Granite.** laid on existing vertical -supports and fixing in CM 1:3 proportion. Including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing. (P W D SR 2018-19, P-108 I-14.52)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 108,It No 14.52							
	BASIC RATE (₹)	3525							
	AREA WEIGHTAGE 6% (₹)	211.5							
	TOTAL RATE (₹)	3736.5							
	for seating	5	3.3	0.45		7.43	sqm	3736.50	27,744
2.12	**Providing and laying flooring for corridors/lobbies using combination of pre polished 19 mm thick** water cut/gang saw Grey Granite, Black Granite, and strips of 50mm wide pre flamed grey granite using pre polished grey granite 19mm thick 76%, Pre polished black granite 19mm thick @ 2% and preflamed 19mm thick grey granite @22% over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement/colour pigment etc., complete. (P W D SR 2018-19, P-108 I-14.48.1)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 108,It No 14.48.1							
	BASIC RATE (₹)	2262							
	AREA WEIGHTAGE 6% (₹)	135.72							
	TOTAL RATE (₹)	2397.72							
	Gazebo-1								
	flooring	6	0.50	3.30	2.60	25.74			
						25.74	sqm	2397.72	61,717

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
2.13	**Fabricating, supplying and erecting M.S. TubularTruss of span upto 10m.** The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification. (P W D BCSR 2018-19, P-40 I-7.29)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 40,It No 7.29							
	BASIC RATE (₹)	111							
	AREA WEIGHTAGE 6% (₹)	6.66							
	TOTAL RATE (₹)	117.66							
	for roofing					3400	kg	117.66	4,00,044
2.14	**Providing and fixing new Mangalore tile** on existing reepers including cost of materials, labour, complete as per specifications. Specifications (P W D SR 2018-19, P-267, I-37.9)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 267,It No 37.9							
	BASIC RATE (₹)	407							
	AREA WEIGHTAGE 6% (₹)	24.42							
	TOTAL RATE (₹)	431.42							
	Gazebo-1	6	0.50	3.30	4.65	46.04			
						46.04	sqm	431.42	19,860
2.15	**Providing Mangalore Ridge tiles** set in C.M. 1:2 and pointed with C.M. 1:2. including cost of materials, labour, HOM complete as per specifications.(P W D SR 2018-19, P-266, I-37.7)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 266,It No 37.7							
	BASIC RATE (₹)	204							
	AREA WEIGHTAGE 6% (₹)	12.24							
	TOTAL RATE (₹)	216.24							
	Gazebo-1	6	6.00			36.00			
						36.00	Mtr	216.24	7,785
	ADD 12% GST FOR ITEMS INCLUDED FROM PWD BCSR 2018-19								2,52,196
	Total Amount Excluding GST						**For 3no.s**		**21,01,636**

10/1/20
Environmental Engineer
Lakes BBMP

10/1/2020
Assistant Executive Engineer
Lakes BBMP

Executive Engineer
Lakes BBMP

NAME OF THE WORK : PROVIDING PATHWAY CHILDREN PLAY EQUIPMENTS AND OTHER DEVELOPMENT WORKS IN PARK AT DODDABOMMASANDRA LAKE IN WARD 10

Est-3	Construction of Gazebo Big								
Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
3.1	**Earth work excavation for foundation of structures by mechanical means** as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising / transporting the remaining earth locally upto 1.00km lead. (Depth upto 3.00 Mts) - in Ordinary/Hard soil. (PWD BCSR 2018-19,P-7,I-2.23)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,7,It No 2.23							
	BASIC RATE (₹)	52							
	AREA WEIGHTAGE 6% (₹)	3.12							
	TOTAL RATE (₹)	55.12							
	Gazebo								
	Inner wall	1	19.45	1.20	2.20	51.348			
	outer wall	1	25.30	0.80	0.60	12.144			
	steps	1	1	1.50	1.00	1.5			
						64.992	Cum	55.12	3,582
3.2	**Providing and Filling in foundation with granite/trap broken metal 100 mm** and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications (PWD BCSR 2018-19,P-6,I-2.15)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,6,It No 2.15							
	BASIC RATE (₹)	2429							
	AREA WEIGHTAGE 6% (₹)	145.74							
	TOTAL RATE (₹)	2574.74							
	Gazebo								
	Inner wall	1	19.45	1.2	0.3	7.002			
	outer wall	1	25.3	0.8	0.3	6.072			
						13.074	Cum	2574.74	33,662

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
3.3	**Providing and laying in position plain cement concrete of mix 1:2:4** with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2(PWD KCSR 2018-19, P-12 I-4.1)								
	SR REFERENCE	PWD KCSR 2018-19,Pg No,12,It No 4.1							
	BASIC RATE (₹)	5283							
	AREA WEIGHTAGE 6% (₹)	316.98							
	TOTAL RATE (₹)	5599.98							
	Gazebo								
	Inner wall	1	19.45	1.20	0.15	3.50			
	outer wall	1	25.30	0.80	0.15	3.04			
	For Floor PCC	1	28.09		0.15	4.21			
	steps	1	1.50	1.00	0.15	0.23			
						10.98	Cum	5599.98	61,463
3.4	**Providing and constructing granite / trap / basalt size stone masonry in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD BCSR 2018-19,P-23,I-5.6)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,25,It No 5.6							
	BASIC RATE (₹)	4596							
	AREA WEIGHTAGE 6% (₹)	275.76							
	TOTAL RATE (₹)	4871.76							
	Gazbo								
	Gazebo (Inner Wall)	1	19.45	0.90	0.40	7.00			
		1	19.45	0.75	0.40	5.84			
		1	19.45	0.60	0.80	9.34			
	Gazebo (Outer Wall)	1	25.30	0.60	0.45	6.83			
						29.00	Cum	4871.76	1,41,301
3.5	**Providing and constructing granite / trap / basalt size stone masonry in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD BCSR 2018-19,P-23,I-5.9)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,25,It No 5.9							
	BASIC RATE (₹)	5483							
	AREA WEIGHTAGE 6% (₹)	328.98							
	TOTAL RATE (₹)	5811.98							
	Gazbo								
	Gazebo (Inner Wall)	1	19.45	0.45	0.60	5.25			
	Gazebo (Outer Wall)	1	25.30	0.45	0.60	6.83			
						12.08	Cum	5811.98	70,223

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
3.6	**Providing and laying in position plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2(PWD BCSR 2018-19, P-13 I-4.6)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,13,It No 4.6							
	BASIC RATE (₹)	5422.00							
	AREA WEIGHTAGE 6% (₹)	325.32							
	TOTAL RATE (₹)	5747.32							
	Gazbo								
	Outer side	1	22.40	1.40	0.15	4.70			
						4.70	Cum	5747.32	27,035
3.7	**Filling available excavated earth (excluding rock)** in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I-2.10)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,6,It No 2.10							
	BASIC RATE (₹)	201							
	AREA WEIGHTAGE 6% (₹)	12.06							
	TOTAL RATE (₹)	213.06							
	Gazbo								
		1	19.45	0.35	0.45	3.06			
		1	25.3	0.25	0.45	2.85			
						5.91	Cum	213.06	1,259
3.8	**Providing and constructing burnt brick masonry with approved quality of modular bricks** of standard size of class designation 75 (Machine moulded Wirecut bricks) with cement mortar 1 :6 for basement and superstructure with cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 complete (P W D SZSR 2018-19, P-27 I-6.20)								
	SR REFERENCE	PWD SZSR 2018-19,Pg No, 27,It No 6.20							
	BASIC RATE (₹)	10118							
	AREA WEIGHTAGE 6% (₹)	607.08							
	TOTAL RATE (₹)	10725.08							
	Gazbo								
	side wall	1	19.45	0.23	0.50	2.24			
	seating support wall	19	0.45	0.23	0.45	0.88			
	steps	1	1.50	1.00	0.15	0.23			
						3.35	Cum	10725.08	35,893

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
3.9	**Providing ruled pointing to coursed stone masonry** with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P W D BCSR 2018-19, P-113 I-15.4)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No, 113,It No 15.4							
	BASIC RATE (₹)	140							
	AREA WEIGHTAGE 6% (₹)	8.4							
	TOTAL RATE (₹)	148.4							
	Gazbo								
	side wall	1	19.45		0.50	9.73			
	seating support wall	38	0.45		0.45	7.70			
						17.42	sqm	148.40	2,585
3.10	**Providing and finishing external walls in one coat with waterproof cement paint of approved brand** and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (P W D BCSR 2018-19, P-118 I-15.54.1)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No, 118,It No 15.54.1							
	BASIC RATE (₹)	51							
	AREA WEIGHTAGE 6% (₹)	3.06							
	TOTAL RATE (₹)	54.06							
	Gazebo								
	side wall	1	19.45		0.50	9.73			
	seating support wall	38	0.45		0.45	7.70			
	brick colour will be use					17.42	sqm	54.06	942
3.11	**Providing and laying plat form using prepolished, water cut / gang saw 40mm thick telephonic Black Granite.** laid on existing vertical -supports and fixing in CM 1:3 proportion. Including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing. (P W D SR 2018-19, P-108 I-14.52)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 108,It No 14.52							
	BASIC RATE (₹)	3525							
	AREA WEIGHTAGE 6% (₹)	211.5							
	TOTAL RATE (₹)	3736.5							
	for seating	1	19.45	0.45		8.75	sqm	3736.50	32,704

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
3.12	**Providing and laying flooring for corridors/lobbies using combination of pre polished 19 mm thick water cut/gang saw Grey Granite,** Black Granite, and strips of 50mm wide pre flamed grey granite using pre polished grey granite 19mm thick 76%, Pre polished black granite 19mm thick @ 2% and preflamed 19mm thick grey granite @22% over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement/colour pigment etc., complete. (P W D SR 2018-19, P-108 I-14.48.1)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 108,It No 14.48.1							
	BASIC RATE (₹)	2262							
	AREA WEIGHTAGE 8% (₹)	135.72							
	TOTAL RATE (₹)	2397.72							
	Gazebo								
	flooring	1	(3.15/4)*(8.5*8.5)			57.90			
						57.90	sqm	2397.72	1,38,820
3.13	**Fabricating, supplying and erecting M.S. TubularTruss of span upto 10m.** The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification. (P W D BCSR 2018-19, P-40 I-7.29)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 40,It No 7.29							
	BASIC RATE (₹)	111							
	AREA WEIGHTAGE 6% (₹)	6.66							
	TOTAL RATE (₹)	117.66							
	for roofing					5050	kg	117.66	5,94,183
3.14	**Providing and fixing new Mangalore tile on existing reepers** including cost of materials, labour, complete as per specifications. Specifications (P W D SR 2018-19, P-267, I-37.9)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 267,It No 37.9							
	BASIC RATE (₹)	407							
	AREA WEIGHTAGE 8% (₹)	24.42							
	TOTAL RATE (₹)	431.42							
	Gazebo	8	0.5	3.6	4.35	62.64			
						62.64	sqm	431.42	27,024

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs
3.15	**Providing and applying enamel metal paint two coats** (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. p.no.121.i.no.15.74								
	SR REFERENCE	PWD SR 2018-19,Pg No, 121,It No 15.74							
	BASIC RATE (₹)	95							
	AREA WEIGHTAGE 6% (₹)	5.7							
	TOTAL RATE (₹)	100.7							
	Gazebo	8	0.5	3.6	2	28.80			
						28.80	sqm	100.70	2,900
3.16	**Providing Mangalore Ridge tiles set in C.M. 1:2** and pointed with C.M. 1:2. including cost of materials, labour, HOM complete as per specifications.(P W D SR 2018-19, P-266, I-37.7)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 266,It No 37.7							
	BASIC RATE (₹)	204							
	AREA WEIGHTAGE 6% (₹)	12.24							
	TOTAL RATE (₹)	216.24							
	Gazebo-2	8	6.5			52.00			
						52.00	m	216.24	11,244
	ADD 12% GST FOR ITEMS INCLUDED FROM PWD BCSR 2018-19								1,42,179
	Total Amount Excluding GST					**For 1 no.s**			**11,84,822**

10/1/20
Environmental Engineer
Lakes BBMP

10/1/2020
Assistant Executive Engineer
Lakes BBMP

Executive Engineer
Lakes BBMP

BRUHATH BANGALORE MAHANAGARA PALIKE
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

LAKES DIVISION
ಕೆರೆಗಳು ವಿಭಾಗ

NAME OF WORK:
ಕಾಮಗಾರಿಯ ಹೆಸರು

PROVIDING PATHWAY CHILDREN PLAY EQUIPMENTS AND OTHER DEVELOPMENT WORKS IN PARK AT DODDABOMMASANDRA LAKE IN WARD 10

Estimate Cost Rs.250.60 Lakhs
ಕಾಮಗಾರಿಯ ಅಂದಾಜುಮೊತ್ತ ರೂ 250.00 ಲಕ್ಷಗಳು

EXECUTIVE ENGINEER LAKES DIVISION
ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್, ಕೆರೆಗಳು ವಿಭಾಗ

BUDJET HEAD:- 2019-20 BBMP BUDGET

45

NAME OF THE WORK : PROVIDING PATHWAY CHILDREN PLAY EQUIPMENTS AND OTHER DEVELOPMENT WORKS IN PARK AT DODDABOMMASANDRA LAKE IN WARD 10

COST SUMMARY

Est. No.	DESCRIPTION OF THE ESTIMATE	Estimate cost (₹)
1	CONSTRUCTION OF YOGA PLATFORM 1 Number	4111799.65
2 & 3	CONSTRUCTION OF GAZEBO Small 3 Nos, Big 1 No	3286457.10
4	PROVIDING OPEN GYM EQUIPMENTS 2 Nos	7746191.47
5	PROVIDING CHILDRENS PLAY EQUIPMENTS 2 Nos	3783277.15
6	WATER SUPPLY PIPE LINE FOR TOILETS AT KOGILU,KATTIGENAHALLI,AGRAHARA LAKE	1507570.16
7	FIXING GRANITE BENCHEs BESIDE PATHWAY 42 Nos	949181.10
8	PROVIDING ROCK FILL BUND	452124.22
	Total-Cost (₹)	**21836600.86**
9	ADD 12% GST FOR CONTRACTOR FOR ITEMS INCLUDED FROM PWD BCSR 2018-19, and 18 % GST for gym and child play equipment	**2907462.34**
10	PMC SERVICE CHARGES AT 1% of Total Cost	250000.00
11	MISCELLANEOUS & ROUNDING OFF	5936.80
12	**Grand Total (₹)**	**25000000.00**
	****** Rupees Two Crores and Fifty Lakhs Only ******	

10/1/20
Environmental Engineer
Lakes ,BBMP

10/1/2020
Assistant Executive Engineer
Lakes ,BBMP

Executive Engineer
Lakes, BBMP

Chief Engineer
Lakes, BBMP

Administrative sanction for Rs. 2,50,00,000/-
Rs. Two crores and fifty lakhs only/-
P-3739
is accorded
AS/36/19-20
Regis
Sub
contained is enclosed
MCC LAKES DIVISION 36/19-20 Date 14/01/20
14/1/20
JE / AE
EE/EE/CE 14/1/2020

Technically sanc 2,50,00,000/-
Rs. Two crores and fifty lakhs only/-
P-3739
Under
Rec
TS-47/19-20
47/19-20
14/01/20
14/1/20
AE
14/1/2020

NAME OF THE WORK : PROVIDING PATHWAY CHILDREN PLAY EQUIPMENTS AND OTHER DEVELOPMENT WORKS IN PARK AT DODDABOMMASANDRA LAKE IN WARD 10

Est-1 CONSTRUCTION OF YOGA PLATFORM Beside Idol Immersion Tank at Doddabommasandra Lake

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1.1	**Earth work excavation for foundation of structures by mechanical means** as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising / transporting the remaining earth locally upto 1.00km lead. (Depth upto 3.00 Mts) - in Ordinary/Hard soil. (PWD BCSR 2018-19,P-7,I-2.23)								
	footing	10	1.3	1.3	1.5	25.35			
		1	60.0	0.70	0.75	31.50			
						56.85	Cum	55.12	3,134
1.2	**Providing and Filling in foundation with granite/trap broken metal 100 mm** and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications (PWD BCSR 2018-19,P-6,I-2.15)								
	FOOTING	10	1.3	1.3	0.3	5.07			
						5.07	Cum	2574.74	13,054
1.3	Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2(PWD KCSR 2018-19, P-12 I-4.1)								
	SSM SIDE WALL FOUNDATION	1	60.0	0.6	0.15	5.40			
	FOOTING	11	1.3	1.3	0.15	2.79			
	PLINTH BEAM AI	1	60	0.3	0.15	2.70			
	BEFORE FLOORING	1	20.00	10.0	0.15	30.00			
						40.89	Cum	5599.98	2,28,975
1.4	**Providing and constructing granite / trap / basalt size stone masonry in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD BCSR 2018-19,P-23,I-5.6)								
		1	60.00	0.60	0.40	14.40			
						14.40	Cum	4871.76	70,153
1.5	**Providing and constructing granite / trap / basalt size stone masonry in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD BCSR 2018-19,P-23,I-5.9)								
		1	60.00	0.45	0.40	10.80			
						10.80	Cum	5811.98	62,769

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1.6	**Providing and laying in position plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2(PWD BCSR 208-19, P-12 I-4.6)								
		1	60.00	0.40	0.10	2.40			
		1	20.00	10.00	0.15	30.00			
						32.40	Cum	5747.32	1,86,213
1.7	**Providing and laying in position reinforced cement concrete of Design mix M25** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (PWD BCSR 2018-19,P-13,I-4.10)								
	FOOTING-1	10	1.20	1.20	0.40	5.76			
	PEDASTAL-1	10	0.60	0.60	1.35	4.86			
	PLINTH BEAM AI	1	60.00	0.30	0.45	8.10			
						18.72	cum	6,160.72	1,15,329
1.8	**Providing T.M.T. steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, lying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and Paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS for TMT Bars Fe 550 (P W D BCSR, 2018-19 P-17, I-4.46.3)								
	Qty of steel taken @ 85 kg/cum =					**1.591**	tonne	75,809.08	1,20,627
1.9	**Providing and removing centering, shuttering, strutting, propping etc.,** and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(PWD BCSR 2018-19,P-15,I-4.31)								
	FOOTING-1	20	1.20		0.40	9.60			
	PEDASTAL-1	20	0.60		1.35	16.20			
		20	0.60		1.35	16.20			
						42.00	sqm	379.48	15,938
1.10	**Providing and laying plat form using prepolished, water cut / gang saw 40mm thick telephonic Black Granite.** laid on existing vertical -supports and fixing in CM 1:3 proportion. Including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing. (P W D SR 2018-19, P-108 I-14.52)								
	PLATFORM	1	20	10		200.00	sqm	3736.50	7,47,300

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1.11	**Fabrication supplying and erecting M.S. tubular trusses** of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification (P W D SR 2018-19, P-40 I-7.29)								
	A. WALKWAY TRUSS	**NO.**	**L**	**B**	**D**	**W**	**QNTY**		
	20mm Dia Anchor Bolt with Nuts	10.00	10.00	0.80		2.47 Kg/Mt	197.600		
	Tubular Truss								
	CIRCULAR HOLLOW SECTION 323.9 x 10 MM - VERTICLE	14	5.00			77.4 Kg/ Mtr	5418.000		
	CIRCULAR HOLLOW SECTION 168.3 x 8 MM - HORIZONTAL	4	21.50			31.6 Kg/ Mtr	2717.600		
	CIRCULAR HOLLOW SECTION 88.9 x 5 MM - SLANT PIPE	4	17.50			10.3 Kg/ Mtr	721.000		
	CIRCULAR HOLLOW SECTION 88.9 x 5 MM- BRACING-VERTICLE	4	5.85			10.3 Kg/ Mtr	241.020		
	PURLINE CIRCULAR HOLLOW SECTION 60 x 40 x 6 MM	4	16.50			8.5 Kg/ Mtr	561.000		
	Fitting neccesars						280.000		
							10136.220		
						10136.220	kg	117.66	11,92,628
1.12	Providing and fixing 6mm clear **/ opal white / solar / bronze / blue /** green tinted multi wall poly carbonate sheet for tubular structure. The work including cost of all materials, labour charges and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lifts, transportation, loading and unloading and all other incidental charges etc. complete as per specification and directions of the engineer in charge of the work (P W D SZSR 2018-19, P-50 I-8.27)								
		1	22.00	12.00		264.00	sqm	3313.56	8,74,780

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1.11	**Fabrication supplying and erecting M.S. tubular trusses** of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification (P W D SR 2018-19, P-40 I-7.29)								
	A. WALKWAY TRUSS	**NO.**	**L**	**B**	**D**	**W**	**QNTY**		
	20mm Dia Anchor Bolt with Nuts	10.00	10.00	0.80		2.47 Kg/Mt	197.600		
	Tubular Truss								
	CIRCULAR HOLLOW SECTION 323.9 x 10 MM - VERTICLE	14	5.00			77.4 Kg/ Mtr	5418.000		
	CIRCULAR HOLLOW SECTION 168.3 x 8 MM - HORIZONTAL	4	21.50			31.6 Kg/ Mtr	2717.600		
	CIRCULAR HOLLOW SECTION 88.9 x 5 MM - SLANT PIPE	4	17.50			10.3 Kg/ Mtr	721.000		
	CIRCULAR HOLLOW SECTION 88.9 x 5 MM- BRACING-VERTICLE	4	5.85			10.3 Kg/ Mtr	241.020		
	PURLINE CIRCULAR HOLLOW SECTION 60 x 40 x 6 MM	4	16.50			8.5 Kg/ Mtr	561.000		
	Fitting neccesars						280.000		
							10136.220		
						10136.220	kg	117.66	11,92,628
1.12	Providing and fixing 6mm clear / **opal white / solar / bronze / blue** / green tinted multi wall poly carbonate sheet for tubular structure. The work including cost of all materials, labour charges and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lifts, transportation, loading and unloading and all other incidental charges etc. complete as per specification and directions of the engineer in charge of the work (P W D SZSR 2018-19, P-50 I-8.27)								
		1	22.00	12.00		264.00	sqm	3313.56	8,74,780

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1.13	**Providing and constructing burnt brick masonry** with approved quality of modular bricks of standard size of class designation 75 **(Machine moulded Wirecut bricks)** with cement mortar 1 :6 for basement and superstructure with cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 complete (P W D SZSR 2018-19, P-27 I-6.20)								
	Allround parapet wall	1	60.00	0.23	1.00	13.80	sqm	10725.08	1,48,006
1.14	**Providing ruled pointing to coursed stone masonry** with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P W D BCSR 2018-191, P-113 I-15.4)								
	SSM SIDE WALL	1	60.00		0.45	27.00			
	Parapet all	1	60.00		1.00	60.00			
						87.00	sqm	148.40	12,911
1.15	KSRB 15-16.2 : Providing and finishing **external walls in one coat with waterproof cement paint of approved brand** and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (P W D BCSR 2018-19, P-118 I-15.54.1)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No, 118,It No 15.54.1							
	BASIC RATE (₹)	51							
	AREA WEIGHTAGE 6% (₹)	3.06							
	TOTAL RATE (₹)	54.06							
	Parapet wall	1	60.00		1.00	60.00		54.06	3,244
1.16	**Providing and fixing 304 - grade stainless steel hand rails of 14-gauge pipes for Ramps staircase made out of stainless steel hallow pipes, using 50mm dia for** verticals @1.60 mtr c/c fixed tot he ramps or steps by drilling with bolts and 100mm dia MS base plates 10mm gauge for fixing of Vertical pipes 4 - Nos anchor bolts & 40mm dia pipes fixed horizontally for 2-rows top, one pipes fixed with vertical pipes another one fixed with elbows and 25mm dia pipes are fixed horizontally for 2-rows below top measure @ equal intervals including cutting, welding, bending wherever necessary with suitable caps @ tops, bottoms & corners finishing with mat / shining etc., complete including cost and conveyance of all materials, labour for all items of work, HOM with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work. **Ramps or Staircase for physically challenged.**								
	SR REFERENCE	PWD SR 2018-19,Pg No,43,It No 7.39							
	BASIC RATE (₹)	5378							
	AREA WEIGHTAGE 6% (₹)	322.68							
	TOTAL RATE (₹)	5700.68							
	Allround Yoga platform	2	3.5		1.1	7.7			
						7.7	Sqm	5700.68	43,895

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1.17	**Providing and fixing mosquito mesh to mesh to windows with 7.5 mm to 1.25 mm thick** Honne wood petties including labour charges etc., complete.								
	SR REFERENCE	PWD SR 2018-19,Pg No,64,It No 9.99							
	BASIC RATE (₹	715							
	AREA WEIGHTAGE 6% (₹)	42.9							
	TOTAL RATE (₹)	757.9							
	Allround Yoga plat form	1	60	6		360	Sqm	757.90	2,72,844
	Total Amount Excluding GST								41,11,800
	ADD 12% GST								4,93,416
	Total Amount Including GST								46,05,216

10/1/20
Environmental Engineer
Lakes BBMP

10/1/2020
Assistant Executive Engineer
Lakes BBMP

Executive Engineer
Lakes BBMP

NAME OF THE WORK : PROVIDING PATHWAY CHILDREN PLAY EQUIPMENTS AND OTHER DEVELOPMENT WORKS IN PARK AT DODDABOMMASANDRA LAKE IN WARD 10

Est-2	*Construction of Gazebo Small*								
Sl No.	*SPECIFICATIONS*	*No*	*L*	*B*	*D*	*QUANTITY*	*UNIT*	*RATE (Rs.)*	*AMOUNT (Rs.)*
2.1	**Earth work excavation for foundation of structures by mechanical means** as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising / transporting the remaining earth locally upto 1.00km lead. (Depth upto 3.00 Mts) - in Ordinary/Hard soil. (PWD BCSR 2018-19,P-7,I-2.23)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,7,It No 2.23							
	BASIC RATE (₹)	52							
	AREA WEIGHTAGE 6% (₹)	3.12							
	TOTAL RATE (₹)	55.12							
	Gazebo-1	6	3.35	1.0	1.2	24.12			
	steps	1	1	1.50	1.00	1.5			
						25.62	Cum	55.12	1,412
2.2	**Providing and Filling in foundation with granite/trap broken metal 100** mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications (PWD BCSR 2018-19,P-6,I-2.15)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,6,It No 2.15							
	BASIC RATE (₹)	2429							
	AREA WEIGHTAGE 6% (₹)	145.74							
	TOTAL RATE (₹)	2574.74							
	Gazebo-1	6	3.35	1.0	0.3	6.03			
						6.03	Cum	2574.74	15,526
2.3	**Providing and laying in position plain cement concrete of mix 1:2:4** with OPC cement @ 240kgs, **with 40mm and down size** graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2(PWD KCSR 2018-19, P-12 I-4.1)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,12,It No 4.1							
	BASIC RATE (₹)	5283							
	AREA WEIGHTAGE 6% (₹)	316.98							
	TOTAL RATE (₹)	5599.98							
	Gazebo-1								
	foundation	6	3.35	1.0	0.15	3.02			
	flooring	3	3.30	2.60	0.15	3.86			
	steps	1	1.50	1.00	0.15	0.23			
						7.10	Cum	5599.98	39,765

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
2.4	**Providing and constructing granite / trap / basalt size stone masonry in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD BCSR 2018-19,P-23,I-5.6)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,25,It No 5.6							
	BASIC RATE (₹)	4596							
	AREA WEIGHTAGE 6% (₹)	275.76							
	TOTAL RATE (₹)	4871.76							
	Gazbo-1								
		6	3.30	0.75	0.40	5.94			
		6	3.30	0.60	0.40	4.75			
						10.69	Cum	4871.76	52,089
2.5	**Providing and constructing granite / trap / basalt size stone masonry in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (PWD BCSR 2018-19,P-23,I-5.9)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,25,It No 5.9							
	BASIC RATE (₹)	5483							
	AREA WEIGHTAGE 6% (₹)	328.98							
	TOTAL RATE (₹)	5811.98							
	Gazbo-1								
		6	3.30	0.50	0.40	3.96			
						3.96	Cum	5811.98	23,015
2.6	**Providing and laying in position plain cement concrete of mix 1:2:4** with cement @ 240kgs, **with 20mm and down size** graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2(PWD BCSR 208-19, P-12 I-4.6)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,13,It No 4.6							
	BASIC RATE (₹)	5422.00							
	AREA WEIGHTAGE 6% (₹)	325.32							
	TOTAL RATE (₹)	5747.32							
	Gazbo-1								
	DPC	6	3.30	0.50	0.10	0.99			
	steps	1	1.50	1.00	0.10	0.15			
						1.14	Cum	5747.32	6,552

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
2.7	KSRB 2-3:**Filling available excavated earth** (excluding rock) in sides of foundations and profile correction in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m. and lift up to 1.5 m. including cost of all labour complete as per specifications (PWD BCSR 2018-19,P-6,I-2.10)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,6,It No 2.10							
	BASIC RATE (₹)	201							
	AREA WEIGHTAGE 6% (₹)	12.06							
	TOTAL RATE (₹)	213.06							
	Gazbo-1								
		6	3.30	0.15	0.50	1.49			
		3	3.30	2.60	0.50	12.87			
						14.36	Cum	213.06	3,058
2.8	**Providing and constructing burnt brick masonry with approved quality of modular bricks** of standard size of class designation 75 (Machine moulded Wirecut bricks) with cement mortar 1 :6 for basement and superstructure with cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 complete (P W D SZSR 2018-19, P-27 I-6.20)								
	SR REFERENCE	PWD SZSR 2018-19,Pg No, 27,It No 6.20							
	BASIC RATE (₹)	10118							
	AREA WEIGHTAGE 6% (₹)	607.08							
	TOTAL RATE (₹)	10725.08							
	Gazbo-1								
	side wall	6	3.30	0.23	0.50	2.28			
	seating support wall	15	0.45	0.23	0.50	0.78			
	steps	1	1.50	1.00	0.15	0.23			
						3.28	Cum	10725.08	35,159
2.9	**Providing ruled pointing to coursed stone masonry** with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P W D BCSR 2018-191, P-113 I-15.4)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No, 113,It No 15.4							
	BASIC RATE (₹)	140							
	AREA WEIGHTAGE 6% (₹)	8.4							
	TOTAL RATE (₹)	148.4							
	Gazbo-1								
	basement	6	3.6		0.45	9.72			
	brick side wall	12	3.30		0.50	19.80			
	seating support wall	30	0.45		0.50	6.75			
						36.27	sqm	148.40	5,382

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
2.10	KSRB 15-16.2 : **Providing and finishing external walls in one coat with waterproof cement paint of approved brand** and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (P W D BCSR 2018-19, P-118 I-15.54.1)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No, 118,It No 15.54.1							
	BASIC RATE (₹)	51							
	AREA WEIGHTAGE 6% (₹)	3.06							
	TOTAL RATE (₹)	54.06							
	Gazebo-1								
	side wall	12	3.30		0.50	19.80			
	seating support wall	30	0.45		0.50	6.75			
	brick colour will be use					26.55	sqm	54.06	1,435
2.11	**Providing and laying plat form using prepolished, water cut / gang saw 40mm thick telephonic Black Granite.** laid on existing vertical -supports and fixing in CM 1:3 proportion. Including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing. (P W D SR 2018-19, P-108 I-14.52)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 108,It No 14.52							
	BASIC RATE (₹)	3525							
	AREA WEIGHTAGE 6% (₹)	211.5							
	TOTAL RATE (₹)	3736.5							
	for seating	5	3.3	0.45		7.43	sqm	3736.50	27,744
2.12	**Providing and laying flooring for corridors/lobbies using combination of pre polished 19 mm thick** water cut/gang saw Grey Granite, Black Granite, and strips of 50mm wide pre flamed grey granite using pre polished grey granite 19mm thick 76%, Pre polished black granite 19mm thick @ 2% and preflamed 19mm thick grey granite @22% over existing cement concrete bed in CM 1:4 average 20mm thick pointed with white cement/colour pigment etc., complete. (P W D SR 2018-19, P-108 I-14.48.1)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 108,It No 14.48.1							
	BASIC RATE (₹)	2262							
	AREA WEIGHTAGE 6% (₹)	135.72							
	TOTAL RATE (₹)	2397.72							
	Gazebo-1								
	flooring	6	0.50	3.30	2.60	25.74			
						25.74	sqm	2397.72	61,717

Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
2.13	**Fabricating, supplying and erecting M.S. TubularTruss of span upto 10m.** The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification. (P W D BCSR 2018-19, P-40 I-7.29)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 40,It No 7.29							
	BASIC RATE (₹)	111							
	AREA WEIGHTAGE 6% (₹)	6.66							
	TOTAL RATE (₹)	117.66							
	for roofing					3400	kg	117.66	4,00,044
2.14	**Providing and fixing new Mangalore tile** on existing reepers including cost of materials, labour, complete as per specifications. Specifications (P W D SR 2018-19, P-267, I-37.9)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 267,It No 37.9							
	BASIC RATE (₹)	407							
	AREA WEIGHTAGE 6% (₹)	24.42							
	TOTAL RATE (₹)	431.42							
	Gazebo-1	6	0.50	3.30	4.65	46.04			
						46.04	sqm	431.42	19,860
2.15	**Providing Mangalore Ridge tiles** set in C.M. 1:2 and pointed with C.M. 1:2. including cost of materials, labour, HOM complete as per specifications.(P W D SR 2018-19, P-266, I-37.7)								
	SR REFERENCE	PWD SR 2018-19,Pg No, 266,It No 37.7							
	BASIC RATE (₹)	204							
	AREA WEIGHTAGE 6% (₹)	12.24							
	TOTAL RATE (₹)	216.24							
	Gazebo-1	6	6.00			36.00			
						36.00	Mtr	216.24	7,785
	ADD 12% GST FOR ITEMS INCLUDED FROM PWD BCSR 2018-19								2,52,196
	Total Amount Excluding GST						**For 3no.s**		**21,01,636**

10/1/20
Environmental Engineer
Lakes BBMP

10/1/2020
Assistant Executive Engineer
Lakes BBMP

Executive Engineer
Lakes BBMP

NAME OF THE WORK : PROVIDING PATHWAY CHILDREN PLAY EQUIPMENTS AND OTHER DEVELOPMENT WORKS IN PARK AT DODDABOMMASANDRA LAKE IN WARD 10

Est-3	Construction of Gazebo Big								
Sl No.	SPECIFICATIONS	No	L	B	D	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
3.1	**Earth work excavation for foundation of structures by mechanical means** as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising / transporting the remaining earth locally upto 1.00km lead. (Depth upto 3.00 Mts) - in Ordinary/Hard soil. (PWD BCSR 2018-19,P-7,I-2.23)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,7,It No 2.23							
	BASIC RATE (₹)	52							
	AREA WEIGHTAGE 6% (₹)	3.12							
	TOTAL RATE (₹)	55.12							
	Gazebo								
	Inner wall	1	19.45	1.20	2.20	51.348			
	outer wall	1	25.30	0.80	0.60	12.144			
	steps	1	1	1.50	1.00	1.5			
						64.992	Cum	55.12	3,582
3.2	**Providing and Filling in foundation with granite/trap broken metal 100 mm** and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications (PWD BCSR 2018-19,P-6,I-2.15)								
	SR REFERENCE	PWD BCSR 2018-19,Pg No,6,It No 2.15							
	BASIC RATE (₹)	2429							
	AREA WEIGHTAGE 6% (₹)	145.74							
	TOTAL RATE (₹)	2574.74							
	Gazebo								
	Inner wall	1	19.45	1.2	0.3	7.002			
	outer wall	1	25.3	0.8	0.3	6.072			
						13.074	Cum	2574.74	33,662